

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-16. (Canceled)

17. (Currently Amended) A liquid jetting pump comprising:

a mounting cap ~~502~~-fitted to a container neck portion;

a cylinder ~~503~~ fixed to a container through ~~said the~~ cap and including a suction valve ~~510~~-provided in a lower edge part extending downward into ~~said the~~ container;

a stem ~~521~~-having an annular piston ~~520~~ fitted to an interior of ~~said the~~ cylinder and protruding from a lower part of an outer periphery, and so provided as to be vertically movable in an upward-biased state;

a push-down head-~~523~~, with a nozzle-~~522~~, disposed in continuation from an upper edge of ~~said the~~ stem and so provided as to be vertically movable above ~~said the~~ mounting cap ~~502~~; and

a discharge valve ~~524~~-provided with a valve member ~~530~~ for closing a valve hole by placing it on a valve seat ~~529~~-provided on an inner upper part of ~~said the~~ stem,

a liquid within ~~said the~~ container being sucked into ~~said the~~ cylinder through ~~said a~~ suction valve, and a liquid within ~~said the~~ cylinder being jetted out of ~~said the~~ nozzle through ~~said the~~ discharge valve from ~~said the~~ stem by vertically moving a vertically movable member ~~504~~-constructed of ~~said the~~ stem and ~~said the~~ push-down head,

wherein a bar-like member ~~505~~-with its upper edge part protruding into ~~said the~~ stem is provided, a tip of ~~said the~~ bar-like member is in a lower position of ~~said the~~ valve seat ~~529~~-of ~~said the~~ discharge valve in the maximum ascent position of ~~said the~~ vertically movable member-~~504~~, the tip of ~~said the~~ bar-like member protrudes with a gap along the periphery upwardly of ~~said the~~ valve seat ~~529~~-by pushing down ~~said the~~ vertically movable member,

and the liquid existing downstream of ~~said~~the discharge valve flows back upstream of ~~said~~the discharge valve via the gap when ~~said~~the vertically movable member 504 is raised, and
wherein an inner lower edge of the stem includes an annular protruded portion having an inner peripheral surface that is slidably fitted to the outer periphery of the bar-like member to allow stable vertical movement of the vertically movable member and the interior of the cylinder communicates with an interior of the stem while the annular protruded portion is slidably fitted to the bar-like member.

18. (Currently Amended) A liquid jetting pump according to claim 17, wherein ~~said~~the suction valve is ~~a suction valve 510a including~~ includes a valve member 519 always biased in a valve hole closing direction by a resilient member ~~539~~.

19-29. (Canceled)

30. (New) A liquid jetting pump according to claim 17, wherein the bar-like member has a lower edge that is fixed to the cylinder.

31. (New) A liquid jetting pump according to claim 30, wherein the lower edge of the bar-like member is opened to make an interior and an exterior of the lower edge communicable to permit the flow of liquid in the lower edge portion within the cylinder.

32. (New) A liquid jetting pump according to claim 17, wherein the outer periphery of the bar-like member includes vertical recessed grooves and the interior of the cylinder communicates with the interior of the stem via the grooves.

33. (New) A liquid jetting pump according to claim 17, wherein the nozzle has a first predetermined volumetric capacity and a liquid passageway defined between the discharge valve and the suction valve has a second predetermined volumetric capacity at least equal to the first capacity, and the tip of the bar-like member has a defined length extending above the valve seat such that it enables substantially all of the liquid remaining in the nozzle after depressing of the push-down head to drain into the liquid passageway through the gap

during raising of the vertically movable member before the valve hole is closed by the valve member of the discharge valve.

34. (New) A liquid jetting pump according to claim 33, wherein the defined length is within a range of approximately 5-30mm.